

PRE-FLIGHT CESSNA 172R**INITIAL**

Hobbs meter: CHECK: VERIFY
 100 Hour: CHECK
 Airplane Papers: A.R.R.O.W.
 Control Wheel: UNLOCKED
 Flight Controls: FREE/CORRECT
 Trim: TAKEOFF
 Ignition Switch: OFF
 Mixture: IDLE CUT-OFF
 Throttle: CLOSED
 Electrical Switches: OFF
 Lights: ON
 Avionics: OFF
 Master Switch: ON
 Flaps: DOWN
 Fuel Gauges: CHECKED

EXTERNAL CHECK

All Lights: CHECK ON
 Master Switch: OFF
 All Lights: OFF
 Fuel Tester: REMOVE

TAIL

Left Wing Sump: (5) DRAINED/CHECKED
 Horizontal Stabilizer: INSPECT
 Elevator: INSPECT
 Elevator Trim Tab: INSPECT
 Vertical Stabilizer: INSPECT
 Rudder: INSPECT
 Tail Tie Down: REMOVED
 Antennas: INSPECT

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Empty Weight: 1686
Moment: 66091.2
Arm 39.2
Gross Weight: 2450
Useful Load: 764

RIGHT WING

Flap: INSPECT
 Aileron: INSPECT
 Wing Tip: INSPECT
 Leading Edge: INSPECT
 Tie Down: REMOVED
 Right Main Gear: INSPECT
 Right Wing Sump (5) DRAINED/CHECKED
 Fuel CHECKED
 Fuel Cap SECURED
 Overhead Vents CLEAR

ENGINE SECTION

Engine Cowling: INSPECT
 Oil: 6-8 QUARTS
 Fuel Sumps: (3) DRAINED
 Cabin Air Vent: CLEAR
 Nose Gear: INSPECT
 Strut: INSPECT
 Exhaust Pipe: INSPECT
 Propeller: INSPECT
 Spinner: INSPECT
 Intakes: CLEAR
 Alternator Belt: INSPECT
 Induction Filter: CLEAR
 Static Port: CLEAR

LEFT WING

Overhead Vents: CLEAR
 Fuel: CHECKED
 Fuel Cap: SECURED
 Tie Down: REMOVED
 Leading Edge: INSPECT
 Pitot Tube: INSPECT
 Fuel Vent: CLEAR
 Stall Warning: CLEAR
 Landing Light Lense: INSPECT
 Wing Tip: INSPECT
 Aileron: INSPECT
 Flap: INSPECT
 Left Main Gear: INSPECT
 360 Walk Around: COMPLETED

NORMAL OPERATIONS CHECKLIST FROM CONCORD**BEFORE STARTING ENGINE**

Pre-Flight: COMPLETED
 Parking Brake: SET
 Seatbelts/Harnesses: ON
 Circuit Breakers: CHECK
 Fuel Selector: CYCLE/BOTH
 Mixture: IDLE CUT-OFF
 Throttle: OPEN 1/4 INCH
 Beacon: ON
 Master Switch: ON

STARTING

Fuel Pump: ON
 Mixture: RICH
 Fuel Flow: 3-5 SECONDS
 Mixture: IDLE CUT-OFF
 Fuel Pump: OFF
 Prop Area: CLEAR
 Starter: ENGAGED
 Mixture: RICH (START)
 Throttle: 1000 RPM
 Oil Pressure: CHECK
 Mixture: LEANED

BEFORE TAXI

Ammeter: NORMAL
 Avionics: ON
 121.5: CHECK
 ATIS: 124.7
 Heading Indicator: SET
 Altimeter: SET
 Transponder: 1200 & SBY
 Flaps: UP
 Contact Ground: 121.9

CONCORD FREQUENCIES

ATIS: 124.7
GROUND: 121.9
TOWER: 119.7
TRAVIS: 119.9
FUEL: 122.95

BEFORE TAKEOFF

Parking Brake: SET
 Flight Controls: CORRECT
 Trim: TAKEOFF
 Mixture: RICH
 Throttle: 1800 RPM
 Mixture(Above 3000ft): LEANED
 Magnetos: 125/50
 Ammeter: CHECKED
 Voltmeter: 24.5-28.5
 Engine Gauges: CHECKED
 Vacuum Gauge: CHECKED
 Annunciator Panel: TEST
 Throttle: IDLE/1000 RPM
 Flaps: SET
 Heading Indicator: SET
 Door Latches/Window: SECURED
 Seatbelts/Harnesses: CHECKED
 Parking Brake: RELEASED
 Landing Light (Night): ON
 Taxi Light (Day): ON
 Strobes: ON
 Transponder: ALT
 CONTACT TOWER: 119.7

CLIMB

Power: SET
 Mixture (Above 3000): LEANED
 Flaps: UP

CRUISE

Cruise Power: SET
 Mixture (Above 3000): LEANED
 Landing Light (Night): OFF
 Taxi Light (Day): OFF

PRE-MANEUVER

Taxi Light (Day): ON
 Mixture: RICH
 Seatbelts/Harnesses: CHECKED
 Clearing Turns: PERFORMED

BEFORE LANDING

ATIS: 124.7 CHECK
 Change To Tower: 119.7
 Flight Instruments: SET
 Landing Light (Night): ON
 Taxi Light (Day): ON
 Mixture: RICH
 Fuel Selector: BOTH
 Seatbelts: CHECK

CLEAR OF RUNWAY

Throttle: IDLE
 Change to Ground: 121.9
 Transponder: SBY
 Taxi Light (Day): OFF
 Landing Light (Night): OFF
 Strobes: OFF
 Mixture: LEAN
 Flaps: RETRACT
 Trim: TAKEOFF
 Contact Ground: TAXI

SHUTDOWN

Throttle: IDLE
 121.5: CHECK
 Avionics: OFF
 Magneto Ground: CHECK
 Mixture: CUT OFF
 Magnetos: OFF
 Master Switch: OFF
 All Electrical: OFF

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Empty Weight: 1693.1
Moment: 66521.9
Arm 39.29
Gross Weight: 2450
Useful Load: 756.9